

Abhinav Jain

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Aspiring Software Engineer with experience in robotics, programming, and data analysis. Interested in leveraging technical skills and leadership experience in a challenging, team-oriented role.

EDUCATION

University of Wisconsin- Madison

Bachelor of Sciences in Computer Science, Data Science

Madison, WI

Aug. 2025 - Dec. 2027

University of Minnesota-Twin Cities

Bachelor of Sciences in Computer Science, Data Science

Minneapolis, MN

Aug. 2024 - May 2025

EXPERIENCE

Website Lead Developer

Sep 2025

Wisconsin Robotics - University of Wisconsin-Madison

Wisconsin, Madison

- Designed and deployed a modern, responsive front page for the club using **React, JavaScript, and Supabase** for dynamic content and easy updates by team leads.
- Collaborated with robotics leadership to define site structure, optimize member resources, and streamline event announcements.

App Developer

May 2025 - Sep 2025

Bhasha - A New Way to Learn Indian Languages.

Minneapolis, Minnesota

- Built an **end-to-end ed-tech platform** to preserve underrepresented Indian languages, featuring gamified, interactive lessons and real-time progress tracking.
- Architected a **React + Next.js website** with Supabase backend for authentication, lesson data storage, and cross-device state synchronization.
- Developed a **cross-platform Flutter app** with dynamic language/module hub, XP system, animated progress bars, offline-first Isar caching, and custom interactive quiz engines.
- Implemented reusable components and responsive UI/UX with consistent theming and micro-animations for a polished, engaging experience.

Front Desk Office Assistant

Jan 2025 - May 2025

University of Minnesota - Housing & Residential Life

Minneapolis, Minnesota

- Served as first point of contact for residents, guests, and staff; answered walk-in, phone, and email inquiries with professionalism and a welcoming demeanor. Provided customer service and problem resolution.
- Supported administrative tasks such as data entry, incident documentation, and coordination with Resident Advisors and campus security.

PROJECTS

Cadenza School of Musica | *Flutter, Supabase, Next.js*

- Developing a cross-platform Flutter app to connect students and teachers globally for Indian classical music lessons with **lesson scheduling, video integration, real-time chat, and Supabase-powered authentication/DB** and a companion marketing website.

Student Performance Tracker | *Python, SQL, Matplotlib*

- Built tool to visualize student performance trends with automated **SQL queries** and plotting.

AI-Driven Racing Simulator | *Python, NEAT*

- Implemented **neuroevolution algorithm** to train cars for autonomous navigation over generations.

German Typing Aid | *C#, C++, WinUI, WinAPI*

- Built lightweight Windows overlay with **always-on-top buttons** and **global hotkeys** for German characters (ä, ö, ü, ß).
- Enabled **custom keybindings** and WinAPI-based shortcut overrides to improve multilingual typing efficiency.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, SQL (Postgres), JavaScript, Dart, HTML/CSS, MATLAB

Frameworks/Tools: React, Next.js, Flutter, WinUI, .NET

Databases/Cloud: Supabase, MongoDB, Firebase

Other: Git/GitHub, WinAPI, Data Visualization (Matplotlib), Neuroevolution (NEAT)